KADDEX

MINICAM PHOTOGRAPHY, VOLUME IV SEPTEMBER. 1940 THROUGH AUGUST.

COMPILED BY HENRY HOLMES SMITH. ASSOCIATE EDITOR

NOTES: References are to month of issue and page number; "Apr. 22", for example, refers to April, 1941, page 22.

Issues from September, 1940 through August, 1941, are indexed.

§ Indicates instructions for making an accessory or piece of equipment. Indicates a handy photographic hint in an

article or short item. Authors are listed for all items over a column.

TE NEW YORK BLIC LIBRARY

SUBJECT INDEX

Accident pictures
NEUN English por elf-protection, Sep. 17.
NEUN English por elf-protection, Sep. 17.
NEUN English por elf-protection, Sep. 18.
Action theorem (see also Sports photos protection), with a Box Brownie, Oct. 43.
of Children, June 40.
of Gun battle, Apr. 14.
of Model's movements by flashlight, Apr. 25.

Apr. 25.
Panning camera (diagram) Oct. 41.
Shutter speed-distance diagram for, Oct. 40.

Oct. 40.
with Slow shutter speeds. Mar. 109.2
of Speeding cars, Oct. 40.
Advertising photography (see Commercial photography) and Publicity photography).
Aerial photography).
with Box camera and model airplane,
Nov. 57.
High-speed photo-finishing in the sir.

Nov. 57.
High-speed photo-finishing in the air,
Mar. 20.
in U. S. Army Air Corps, Feb. 42.
in U. S. Navy, Nov. 40-41.

Animal photography (See also Bird
photography).
Deg pictures. Ian. 70.

Dog pictures, Jan. 70.
Reptiles at Zoo, May 16, 93.
Table top shots of small animals,
May 93.

May 93.

Zoo pictures, May 12.
Animation in movies (see Cinecam).
Architecturel photography
Correcting perspective, Oct. 52.
Films for interior shots, Oct. 58.
of House exteriors, Oct. 56.
of Interiors, Oct. 56.
Wilde-angle lens for, Oct. 58.
Army photography (See Military photography).
Artificial light (see Flash photography, Flood lighting, Lighting and Spotlighting).

Babies, Photography of (See Child photography).

Baby spotlightins (see Cinecam and Spotlighting).

Beckgrounds
in Glamor portraits, Oct. 24.
in Outdoor portraits, Oct. 24.
in Outdoor portraits, Oct. 24.
in Outdoor photography (see Outdoor photography).

Beag Gritteal (Monthly dept.) Oct. 61; Dec. 84; Jan. 68; Feb. 70;

Mar. 52; Apr. 68; May 62; June 72; July 68; Aug. 76.

Bellows, Enlarger (see Enlargers).

Bird photography

Bird blind for camera, June 98. of Humming birds with stroboscopic lamp, Oct. 105.

Map of U. S. birds, June 50. in the U. S., June 50.

Blackout photography (see Infra-red abstraction)

photography).

photography).

pat pictures (see Outdoor photography).

Book plates, Photographic

Adhesive for coating backs of, Nov. 74. Lettering method for, Nov. 72. from Paper negatives, Nov. 72. Buildings, Photography of (see Architectural photography).

Build-it-yourself equipment (see items marked § under following headings: marked § under following headings: Camera accessories; Cinecam; Dark-room equipment; Enlargers; Film processing; Flash photography; Hypersensiticing film; Lighting; equipment; Negative retouching; Picture-taking; Print finishing; Print processing; Projection cine & dide; Reflectors; and Tripods).

Calculator dials

Calculator diels
Assembling of, Dec. 75.
for Close-ups with 2" lens, June 61.
for Close-ups with 3" lens, Apr. 72.
for Close-ups with 4½" lens, May 68.
for Close-ups with 4½" lens, Aug. 69.
Copying, Without a camera, Dec. 74.
Depth of field for 2", 3" and 6"
lenses, Oct. 60.
Enlarger data, Feb. 57.
for Extreme close-ups with 2" lens.
Mar. 55.
Proportion data, Jan. 73.

Proportion data, Jan. 73. Shutter speeds and apertures, Dec. 75. Camera accessories (see also Tripods)

Adapter rings for filters, Oct, 100.8 Adapting 5 x 7" film holders to 4 x 5" film, Mar. 80.8 film, Mar. 80.8 Bellows, Square, Pattern and instruc-tions for making, Feb. 74-75.8 Body shutter release, Mar. 79.2 Carrying case, July 107.8 for Close-ups, Mar. 62-64, Dusting brush from lipstick case,

for Close-ups, Agar. 02-07.
Dusting brush from lipstick
Sep. 114.
Extension tubes, May 106.
Filters, Care of, May 87.
Gas mask bag for, Aug. 95.
Spectacle case for, Sep. 114.
Wire-clip holder for, May 107.

Camera, Care of Check focusing scale, July 105.‡ Check range finder, July 105.‡ in Cold weather, Feb. 111.‡ on the Desert, May 85.‡ Graphite lubrication, May 105.‡ Servicing your camera, June 82.‡ Servicing your camera, June 82.‡

Cameralmanae (Dept.) (see also Seasonal subjects) Apr. 31; May 22; June 22; July 58.

June 22; July 58.
Cameros
Mistakes in handling, Oct. 37.
Cameros, Second-hand
Construction points to check when
purchasing, Sep. 34, 35, 37, 92.
How to purchase, Sep. 34.
Lens defects. How to check, Sep. 3437; July 72.
Camera supports (see Tripods).
Candid Photography (see Performance photography).

Cartooning, Photographic with Cut-out figures, Feb. 18. with Fruit and vegetable Nov. 30.

Nov. 30. with Wire pipe-cleaner figures, Jan. 83.

censored photographs (see also War., photography).
in the Balkans, May 26.
Moral censorship, June 71.
Political censorship, June 71.
You can't shoot that, Nov. 13.
Censorship (see Censored photography)

graphs). Chemicals, chemicals). Mixing

Chemicals, Photographic (see also Darkroom technique, Developer formulas, Film processing and Mixing chemicals).

chemicals),
Description of, Oct. 54.
Gold chloride, Formula for making.
Apr. 79.
Hydroguinone, Aug. 75.
List of, Oct. 54.
Metol, Aug. 73.

Child photography Action pictures, June 40. Baby pictures, Hints for lighting, Action pictures, June 18.

Baby pictures, Hints for lighting,
Jan. 62.

Dress-up the children, Mar. 36.

Moods of Bobby Scholl, May 32.

Posing small children, July 111.‡

Spotlights for, Jan. 58.

Christmas Photography (See Holiday

photography).

Cinseam
Camera boom, Apr. 110.
Hollywood camera aces, I: George
Barnes. Sep. 69; II: Gregg Toland,
Oct. 65.
Markets for movies, Nov. 66.
Markets for movies, Nov. 66.
Ouiz. Dec. 50.
Twelve cine sins, Jan. 54-55.
Wedding film, June 56.

[1]

Cinocam errers
Bad background, Jan. 55.
Edge fog, Jan. 54.
Edge fog, Jan. 54.
Fræming mistake, July 57.
Lens flare, Jan. 55.
Lost loop, Jan. 54.
Out of focus, Jan. 55.
Overexposed background, Jan. 55.
Overexposed background, Jan. 55.
Sun on lens, July 35.
Tilted horizon, Jan. 54.
Underexposure, Jan. 54.
Claccam gedgets

Cinocum gadgets Dolly for movie camera, Mar. 82.§ Lip synchronizing home movies with radio cable, Feb, 90.§ Portable movie light, June 58, 111.§

Clascam lighting
with Baby spotlights, Oct. 72.
with Portable light, June 58, 111.8
Simple effects with floods, Feb. 46.

Cinecam movis-meking
Camera distances for six cine shots, July 66.
Filters for effect and color, May 50.
Identification marks on 8 and 16mm. movie film, July 67.
"Long Voyage Home," Photography of, Oct. 65.
One-man scenario, Jan. 50. of, Oct. 65.
One-man scenario, Jan. 50.
Professional camera man's pointers,
July 54.
Rain added to movies, Apr. 110.‡
Scenario for wedding film, June 59.
Shutter openings for movie cameras,
Aug. 74. Shutter opening. Aug. 74.
Shutter speeds for movie cameras, Aug. 74.
Snowshoe title, June 111.
\$\pm\$ Storing movie film, Mar. 82.
\$\pm\$ Vacation movies, How to plan and take, Aug. 54.

Cinecam special effects Animation in home movie titles, Feb. 48. Dissolve, Mar. 45. Dissolve, Mar. 45.
Double exposure, Apr. 47.
Fade, Mar. 45.
with Filters, May 50.
Iris-in and Iris-out, Mar. 45.
Matte shots, Apr. 46.
Reverse motion, Apr. 44.
Stop motion, Apr. 47.
Wipe, Mar. 45.
Clip sheets (see Photo data elip sheets).

Sheets).

Close-up photography
Accessories for, Mar. 62-64.
with Any camera, Mar. 60.
Auxiliary lenses for, Mar. 65.
Depth of field tables, Mar. 71.
Diopters converted to English and
Metric units, Mar. 69.
Field of coverage table for Argus
cameras, Mar. 68.
Focusing gauge for, Dec. 92.8

Color photography
Color bleeding, Remedies for, Dec. 66.
Colored reflectors for, Dec. 66.
on the Desert, May 57.
Exposures for, May 102; June 30.
Flash illumination for, May 64.
Harmonies used in, Dec. 66.
Kodachrome flash numbers, May 66.
Kodachrome processing stations,
Aug. 52. Aug. 52. Lighting for, Dec. 67-68. Outdoor exposure readings for, June 30.
Questions and answers (Dept.) Aug. 80. Saving a blurred picture, Apr. 12. Shoot in color, Dec. 64. Six tips to improve color pictures, Aug. 52. Aug. 52. Unseen colors distort pictures, Aug. 48.

Coloring prints Color guides for Mar. 58-59. with Oil paints, Mar. 58. with Water colors, Mar. 56. Combination printing (see Multiple Derkroom pleaning (see also Dark-brinting). printing).
ommercial photographers (see Photographers).

ercial photography, (see also k photography, and Publicity photography, Tricks of the commercial photog-rapher, Nov. 18.

composition (see also Backgrounds and Being Critical dept.)

Analysis of a photograph, Dec. 84; Apr. 64.

Apr. 64.

Apr. 64.

Apr. 64.

Background area improves, Apr. 18.

Backgrounds, Dec. 56; Apr. 64; Backgrounds, Dec. 56; Apr. 64; June 14. Combining two photographs, Apr. 64. Depth, Illusion of, Dec. 28. Determining shape of print, Aug. 22. Diagram showing V, pyramid and S compositions, July 34. Foreground frame, Dec. 87. Frame for studying color subjects, Aug. 53. Frame for studying color subjects, Aug. 53. Gaps in pictures, How to avoid, Nov. 50. How to study a print, Dec. 84 Apr. 64; June 16-17-19; and Aug. 16. L-shaped frames for studying pictures, June 72.‡

June 72.‡ Nine pictures from negative, Aug. 16. Space and distance in pictures, How to add, Dec. 28. Test pictures for eye comfort, Mar. 30. Value-correction, Dec. 84. Viewfinder substitute, Aug. 20.

Contact papers
Classification of, Sep. 58,
Economical cutting of, Oct. 55,
Rated for contrast, Sep. 59,
Rated for speed, Sep. 59.

Copying
Airgraph letters on 16m. film, Aug. 73.
Data sheets, Dec. 74.
Draft lottery numbers, Dec. 18.
Flat surfaces, Dec. 74.
Small objects, Mar. 70.
Without camera or iens, Dec. 74.
Cut-out calculators (see Calculator dials).

Darkroom (see also Darkroom layout and Darkroom planning).
Chemical-resistant paints for, Sep. 100.
Floor coverings, Sep. 99.
Lensfans and darkrooms, Apr. 104.
Level of illumination for, Oct. 38.
Ventilation, Sep. 100.
Vestibule, Sep. 49, 100.

Darkroom equipment (see also Film brocessing).
Bulk Film Winder, Oct. 100.§
Footswitch, Aug. 96.§
Mixer for hot and cold water, Safelight, July 110.§
Safelight and timer, Dec. 80.§
Safelight made from cigar box,
Mar. 81.§ Mar. 81.8 Safelight made from funnel, Sep. 76.8 Storage cabinet for kitchen dark-room, Aug. 72.§ Trimming board stops, Jan. 110.§

Darkroom layout (see also Darkroom and Darkroom planning). in Closet, Sep. 45. for Kitchen, Sep. 46. Outlets, Sep. 46. Odders, Sep. 40.

For Permanent workroom, Sep. 47, 49.

Plumbing for, Sep. 46.

Safelight arrangement, Feb. 66.

Shelf arrangement, Sep. 49.

in Soap box, Sep. 48. in Soap box, Sep. 48.
Switches for safelight, Sep. 46:
Feb. 68. Wet and dry operations separated. Sep. 47. Wiring arrangement, Sep. 46; Feb. 68. Drying prints (see Print finishing).

Darkroom features, Check list of, Sep. 44. How to plan your darkroom, Sep. 44. Portable darkroom in auto, June 108.§ Portable darkroom in suitcase, Nov. 107.§ Safelight design, Feb. 66.

Darkroom short-cuts Cleaning prints and negatives, Aug. 89.2 Emergency weights, Jan. 85. Graphite-glycerine conductor, June

Lint in darkroom, How to avoid, Aug. 100.‡ Removing scratches from negatives, Nov. 104.‡ Tray cleaning, Nov. 104: July 109.1

Darkroom technique (see also Dark-room short-cuts, Enlarging tech-nique, and Film processing). Citric acid rinse bath, Nov. 86.1 Cutting small size sheets from 8x10" paper, Oct. 55. paper, Oct. 55. Enlarging sizes (table) Nov. 63. Paper selecting table, Nov. 62. Solution dilution T-square Dec. 70. Ten darkroom errors, Apr. 58. Defects in negatives (see Negative defects).

Developer formulas for negatives (see also Film processing). Agfa rapid two-solution developer, July 80. Check your developer, Nov. 106.‡ Edwal-12 diluted for stage shots, Nov. 86.2 Edwal-12 for stage shots, Nov. 85 Fine-grain formula for theatre shots, Nov. 85. fine Germain grain developer. Jan. 112. Rapid developer for news pictures, Feb. 99. Table comparing formulas, Feb. 52.

Developer formulas for prints (see also Print processing). Agfa 120 soft developer, May 31. Agfa 130 contrast developer, May 31. Check your developer, Nov. 106. Preventing developer stains on hands, Dec. 78.‡

Table comparing formulas, Feb. 53. Developing films (see Film processing).

Dials, Calculator (see Calculator dials). Diffusion (see Enlarging technique). Dodging Prints (see Enlarging tech-

Dollars with your camera (see Markets for photographs).

Draft photography
Photography in the draft, Dec. 18.

Drying negatives with Alcohol, Sep. 66. Cabinet for, May 69. Carbonate solution for, Sep. 84. Forced drying with heat and alcohol, Sep. 83. with Infra-red lamps, June 93. Methods for drying, Sep. 66. Rapid method, Sep. 84. Speedy processing with infra-red lamps, July 80. Water marks caused by, Sep. 854.

E

fo

Emmermann process, Jan. 30.

Emmermann process, Jan. 30.

Emlergers
Bellows for, Feb. 74-75.

Construction features of, Sep. 18.
Focusing methods for, Sep. 96.
Hot spot, Test for, Sep. 54.
Lenses for, Sep. 95.
Mounting camera in enlarger lens board, Dec. 90.

Points to check when purchasing, Sep. 98.
Precision-type. How to build, Feb. 72. Sep. 98.
Precision-type, How to build, Feb. 72.
Types of enlargers, Sep. 18.
Uneven illumination, Test for, Sep. 54.
Vertical mount for, Mar. 86.
Wall bracket for, June 85.
Wall shelf for, July 110.
\$\frac{8}{2}\$

Enlarging equipment(see also En-Enlarging equipment (see also Enlargers).

Easels, Desirable features of, Sep. 97.

Enlarging easel, Oct. 101.

Enlarging easel, Oct. 101.

Enlarging meter, Apr. 102.

Filter holder for enlarger, June 80.

Focusing Magnifier, Oct. 99.

Lens mount, July 106.

Mirror shows enlarger stops, May 69.

Negative carrier improved, Mar. 81.

Negative holders, Types of, Sep. 22.

Stops for enlarger lens, Feb. 88.

Tilting support for easel, Oct. 106.

Vignetter and spot printer, Dec. 80.

Vignetter and spot printer, Dec. 80.

Enlarging papers (see also Enlarging technique). technique).
Classification of, Sep. 58.
Economical cutting of, Oct. 55.
Grades of, for various negative contrasts, Sep. 102.
Paper selecting table, Nov. 62.
Rated for speed and contrast, Sep. 58-59.
Varigam paper, Enlarging on, Nov. 58.

Enlarging technique (see also En-Automatic Person process, Jan. 30.
Backgrounds dodged in, Oct. 36;
Aug. 46.
Backgrounds printed in, Nov. 24;
Apr. 66 Apr. 66. to make Caricatures, Dec. 44. Developing during exposure, Jan. 30. Diffusion, Oct. 32. Distortion correction, Sep. 23: Sep. Oct. 32

Oct. 32.
Dodsing, Oct. 34; Aug. 46.
Emmermann process, Jan. 30.
Enlarger is a camera, Mar. 84.2
Filter-controlled enlargements, Nov. 58.
Focusing dense 33mm. negatives,
Feb. 88.2 Feb. 88.‡
Fundamentals for beginners, Sep. 54.
Increasing shadow detail, Jan. 30.
Manipulation methods, Oct. 32.
Negative contrast and paper table,
Sep. 102.‡
Negatives sizes and diagonals, Dec. 70.
Paper-bending for caricatures, Dec. 44.
Perspective correction, Sep. 23;
Oct. 32.

Perspective Oct. 32.

01

1

h-

ets

lo

red

Oct. 32.
Projector enlarges movie film, Sep. 78.
Shafts of sunlight, Aug. 94.
Test strips, How to make, Sep. 103;
Illustration, Sep. 56.
Varigam filter holder, June 80.
Varigam paper, Enlarging on, Nov. 58.
Vignetting enlargements, Oct. 32.

Entertainers, Photography of Editorial requirements, Feb. 20. Swing musicians photographed, Sep. 13. at Treasure Island, Sep. 61.

of Color subjects in sunlight, June 30. Meter target with gray surface Jan. 49. surface. Jan. 49. for Movies, July 55. with Slow shutter speed without tri-pod, Feb. 54.

Exposure guides for use with Filters, May 61; June 76-77. Flash numbers, How to calculate, Apr. 24. Apr. 24. for Theater shots, Nov. 54.

Facial irregularities, Photography of (see Portrait photography).

Paked photography).

Paked photographs
Ball lightning, Aug. 59.
Frauds exposed, Sep. 24.
Filgrim falls from Holy cliff, Aug. 59.
Workman's accident, June 49.
Framous photographers (see Photographers).

Filing systems Negative file, July 108.§ Slide file, Apr. 78.§

Film defects (see also Negative defects).
Fogged film isn't ruined, Oct. 38.

Film processing (see also Drying negatives, Developer formulas for negatives) negatives).
in Air Corps' photo-lab trailer, Feb. 42.
in Airplane, Mar. 20.
Citric acid rinse bath, Nov. 86.
for Combination printing, Nov. 93.
for Contrast, Mar. 85.
for Contrast in frost pictures, Dec. 93.
in Daylight in special holder, Mar. 22.
with Dye to make cine fade, Mar. 44.
in 15 minutes, July 80.
Increased development, time for stage

Increased development time for stage shots, Nov. 85. shots, Nov. 85.

of News picture in 8 minutes, Feb. 60.
for Night shots, Apr. 95.
of Performance pictures, Nov. 85.
Rapid, with Agfa two-solution developer, July 80.
of Snow scenes, Jan. 16.
of Stage shots, Nov. 85.

Him processing equipment (see also Darkroom equipment). Agitator, Aug. 102.8. Cooling unit for trays. Aug. 102.8. Cooling unit for trays. Aug. 102.8 nipe, May 106.8 og s oupe, May 106.\$
Film washer, Oct. 98.\$
Infra-red lamps for drying, July 80.
Pendulum tank agitator, Aug. 97.\$
Timing indicator from rubber suction
cup, Jan. 112.‡

Characteristic curve of, Oct. 39.
Hypersensitizing film, Nov. 105.2
Identifying bulk film in cartridges,
Dec. 78.2

Film Speed Ratings for use with flash numbe number Filters, (see also Cinecam). May 103. Filters, (see also Cinecam). Cloud effects without a niter, Feb. 54. Effective aperture to compensate for filter factor. May 50-51, 60. Emulsion speed compensation for filter factor (table) June 77. Shutter speed compensation for factor (table), June 76.

Fireworks photography
How to make fireworks pictures, How to July 70.

Fixing Baths
Check your Hypo, Nov. 108.2
Hardener for fast-working fix, Feb.
99: July 80.
For News shots, Feb. 99: July 80.
Non-hardening fixing bath (F-24), Apr. 62. for Prints of news shots, Feb. 99. Rapid (Agfa No. 201) July 80.

Flosh lomps Characteristics of, Apr. 54-56. Mazda photoflash lamps, Apr. 54-56. Types of, Apr. 54-56. Wabash superflash lamps, Apr. 54-56.

Flash numbers
Calculation of, Apr. 24.
for G-E focal plane photoflash No. 6, for the focal plane photonash No. 0, June 87. for Kodachrome, May 66. Revised, for G-E and Westinghouse lamps, Apr. 52. Revised, for Wabash lamps, Apr. 53. Flesh photography
Coating bulbs for infra-red pictures,
Aug. 112.‡
Exposure readings for multiple flash
shots, Sep. 52.
Film classifications, For use with
flash number tables, Apr. 51; Correction, May 103.
Flash instead of filter, Oct. 130.‡
Flash shots by the meter, Sep. 52.
Flash exposure tables are not crazy,
Apr. 22.
Flash number tables, Apr. 52-53;
How to use them. Apr. 51. Flash number tables, Apr. 52-53; How to use them, Apr. 51. Flash numbers, Calculation of, Apr. 24. Flood lamps used to determine flast exposure, Sep. 52. Indirect flash for soft lighting, Feb.25. Indirect flash for soft lighting, Feb. 25.
Mazda lamp guide chart (Types, subjects and cameras), Apr. 55.
Multiple-flash exposure with meter,
Sep. 52-53.
Multiple-flash outlet box, Feb. 84.§
Reflector designs, Dec. 43.
Synchronizing the G-E SM photoflash, July 97.
Wabash lamp guide chart, (Types,
subjects and cameras), Apr. 57. flash, July 97.
Wabash lamp guide chart, (Types, subjects and cameras), Apr. 57.
Walk-around flash shots, Mar. 24.
Which flash lamps to use, Apr. 54.
Flash test for synchronization (see
Synchronized flash photography).

Synchronized flath photography).

Flood lighting (se also Lighting)

Diffusers for, Oct. 91.2

Glare reduced, Feb. 84.2

Glare reduced, Feb. 84.5

of Groups with single lamp, May 37.

for Home movies, Feb. 46.

Or Home portraits, Oct. 44.

Making light behave. Dec. 40.

Painting with light, May 34.

Reflector designs, Dec. 40.

Walk-around technique, May 34.

Forbidden photographs (see Censored photographs).

Formulas (ee Developers for prints; Fixing baths; Toners; and Reducers).

Fort Folloxies (Debt.) Oct. 38:

Foto Fallacies (Dept.) Oct. Feb. 54. Free-lance photography (see also Markets for photographs and Selling photographs).

Camera earns way through colege, Oct. 50.

Gadgets (see Build-it-yourself equip-

ment).

Glemor photography, (see also Portrait photography).

High key portraits, Apr. 34.

Hut-hims formula for, Sep. 26.

of Noses, Jan. 24.

Props create glamor portraits, Oct. 24.

Shadow diagram for, Sep. 28.

with Single spotlight, July 36.

Glossy prints
Defects in, Apr. 63.
Ferrotyping methods for, Apr. 60.

Grain formation
Grain of silver explored, Feb. 63.
Great photographers (See Photographers).

Hardeners (see also Fixing baths) for An'a No. 201 rapid fix, July 80. Formaldehyde-alcohol-alum formu Apr. 63.

Apr. 63.

Hints and short cuts (see items marked

† under following headings: Camera
accessories; Camera, Care of; Cinecam; Composition; Darkroom kinks:
Developers; Enlarging technique;
Films; Fising baths: Flood lighting;
Hypersensitizing film; Mounting
prints; Outdoor photography; Picture taking; Print finishing; Print
processing; Printing methods: Projection cine & slide; Reflectors and
Tripods.)

Hobbies, Photography of Background control for small objects, Mar. 39. Coins, Mar. 40. Glassware, Mar. 43. Jewelry, Mar. 42. Stamps, Mar. 40.

Christmas card ideas, Dec. 118. Christmas picture check list, Dec.

16, 99.
Ideas for Christmas pictures, Dec. 15.
Home Movies (see Cinecam).

Home portraits, (see also Lighting) Lighting methods for, Oct. 44. Nine rules for, Oct. 49.

tuman interest in pictures People in pictures, Jan. 18. Hypersensitizing film by Fogging, Oct. 38.
Latensification accessory, May 103.§
Latensification, Dec. 121.‡
with Mercury, Nov. 105.‡
Hypo (see Fixing baths).

Ice photography
Frost on windows, Dec. 32.
Underexposure and overdevelopment
for contrast in, Dec. 93.

ldens for pictures for April, Apr. 26; for May, May 22; for June, June 22; for July, July 58. Photographic image of freedom, Aug. 108.

Aug. 108. Illumination, (see Lighting). Blackout photography, June 20. Cellophane makes "blackout" flash lamp, Aug. 112.‡ Filter for, June 20; July 11.‡ Flash photography with infra-red light, June 20.

Jam session photographed, Sep. 13.

Komero Kwiz (Dept.) Nov. 48; Dec; 38; Jan. 66; Feb. 64; Mar. 50; Apr. 70; May 58; June 75; July 64; Aug. 78. Aug. 78.

Kinks (see Hints and short cuts).

Kodachrome photography (see Color photography).

Kodatron speedlamp, Oct. 107.

Latensification (see Hypersensitizing film)

Lenses Arranging test charts for, July 75. Glass for, without silicates, May 113. How they control light rays, Jan. 32. Test-chart distance tables, July 75. Test charts for, July 77, 79. Testing method for, July 72.

Behavior of (diagrams) Jan. 33; Aug. 63-68. Characteristics of, Aug. 61, and Other forms of radiant energy (diagram) Aug. 89.

(diagram) Aug. 89.

Lighting (see also Flash photograph),

Flood lighting and Spot lighting).

Baby pictures, hints for. Jan. 62.

Basic problem in, Jan. 22.

of Coins and medals, Mar. 39.

In the Darkroom, Feb. 66.

Four rules for better lighting, Feb. 13.

Objects in water, Jan. 22.

Reflectors and their efficiency, Dec. 71.

Shadow play with flashlight, Apr. 32. Shadow play with flashlight, Apr. 32. Sunlight for outdoor shots, June 16 Walk-around flash shots, Mar. 24 walk-around flood shots, May 34.

Clorenge diegrams Mar. 39: for Coins, Mar. 39: for Color photography, Dec. 67, 122; Jan. 114; Mar. 12. for High key pictures, Apr. 34. for Home portraits, Oct. 44-48. Showing effect of nearby colors on color subjects, Aug. 48. Spotlighting small movie sets, Oct. 75.

Lighting equipment (see also Reflectors) Background light, Oct. 98.8 Outlet box for synchronized multiple flash, Feb. 84.8 Reflectors and their efficiency, Dec. 71. Spotlight for 15c, Dec. 80.8

Magazine photography

Photographing entertainers, Sep. 13; Sep. 60; Feb. 20.

Markets for photographs

Buyers of 8mm. and 16mm. movies, Nov. 68. Buyers of marine shots, Aug. 45. of Illuminated buildings, Apr. 40. Newspaper markets, Oct. 63.

Military photography

of Camouflaged ski troops, Mar. 28.
Giant camera in aircraft industry,
Apr. 108.
Photographic instruction in Army and
Navy, Nov. 38.
in U. S. Army Air Corps, Feb. 42.
Mar. 20. in U. S. Army Air Corps, Fe Mar. 20. in U. S. Signal Corps, Jan. 44.

Mixing chemicals (see also Chemicals, Photographic).

Conversion tables for metric and avoirdupois weights and liquid volumes, Jan. 84-85. Emergency weights, Jan. 85.‡
Errors in, Apr. 58.
Protect weighing pans, Nov. 109.‡
Solution dilution T-square table,
Dec. 70.

Montage (see also Trick photography). Methods, Nov. 22.

Motion picture photography
Cinecam movie making). Motion picture projection (see Pro-jection, Cine & Slide).

Mounting prints

Cleaning cardboard mounts, Sep. 114.2 Transferring photos to glass, Oct. 101.2 Movie making (see Cinecam movie making).

Multiple printing (see also Montage) Combining fireworks negatives with portraits, July 70.
Combining two prints to produce "Csikos" Apr. 64.
Methods of Francis Aszmann, Nov. 22.

Navy photography (see Military photography)

Negative defects Air bells, Sep. 33.
Black spots, Sep. 33.
in Drying, Sep. 66.
How to recognize or correct them
Sep. 32. Sep. 32.
Pin holes, Sep. 33.
Reticulation, Sep. 32; Nov. 70.
Scratches, Sep. 32.
Static marks, Sep. 32.
Streaks, Sep. 33.
Uneven development, Sep. 33. Negative development (see Film processing). Negative drying (see Drying negaNegative processing (see also Developer formulas for negatives, Drying negatives, and Film Processing). Bleach formula, Sep. 85. Hypo-ferricyanide reducer, Dec. 96. Reduction, Oct. 95. Water marks, Removal of, Sep. 85. **Negative retouching**

Retouching easel, July 105.8 Negative washing (see Film process-

Negatives, Characteristics of

Characteristic curve, Oct. 39. How to read your negatives, Jan. 79, with Normal exposure, Jan. 79, 82. with Underexposure, Jan. 79, 82.

News Photography

Candid camera records gun battle, Candid camera records gun battle, Apr. 14. Eight minutes in life of press photog-rapher, Feb. 58. How six news photographers got their start, Mar. 72. Photographing presidential candidates, Oct. 13.

Night photography.

of Illuminated buildings, Apr. 40. Moonlight pictures ,June 114. by Neon or Fluorescent lights, Apr. 40. Nite-Club photography Gals flash the Nite-Clubs, Jan. 57.

Oddities before the camera, (Dept.) Sep. 50; Nov. 28; Feb. 32; Apr. 42. Old-time photography

Daguerreotypysts and tintype photographers, Jan. 74.

Outdoor photography

Beach pictures, June 62; July 17, 20.
Blind for bird photography, June 98.
Boat pictures, Aug. 40.
Desert pictures, May 54.
Exposure meter readings for color pictures, June 30.
Eye substitutes for view finder, Eye substitutes for view finder, Aug. 20.
Fishing pictures, Aug. 70.
Hunting pictures, Aug. 70.
Mistakes of a professional photographer, Aug. 14.
Mountain pictures, July 30.
Polarizing filter for, July 34.
Protecting equipment on fishing and hunting trips, Aug. 71.
of Raim, May 111.
Sailbaat nictures Aug. 40. of Rain, May 111.
Sailboat pictures, Aug. 40.
Shutter speed for waterfalls, Aug. 38.
Summer shooting, Tips on, June 14.
Water photography, Type of film and
filter effect, July 18.
Water pictures, July 14.

M

Pic H Pic St Pic Ca Da Ga

Po Sh

Pict Wh Oc Pict 34

de

Portr

Packing prints for mailing, Apr. 78.‡ Paper negatives

for Bookplates, Nov. 72.
Printing from, Nov. 74.‡
Retouching of, Nov. 73-74.‡
made Translucent with Castor oil or
Xylol, Nov. 74.‡ Papers contact (see Contact papers). Enlarging (see Enlarging Papers,

papers). Performance photography

Edwal-12 modified for processing stage shots, Nov. 85-86. Exposure guide for theatre shots, Nov. 54. Exposure increase with colored spot-lights, Nov. 84.2 of Movies, Circus, Drama or Bur-lesque, Nov. 52. Photo data clip sheets (Dept.)
Camera distances for six cine shots,

Camera distances for six cine shots, July 66. Chemicals in photography, Oct. 54. Conversion tables for weights and volumes, Jan. 84-85. Copying data sheets, Dec. 74. Copying small objects, Mar. 70. Cutting small size sheets from 8x10" paper, Oct. 55. Depth of field tables, Mar. 71. Effective aperture-filter factor table, May 61. Emergency weights. Ian. 85.

May 61.
Emergency weights, Jan. 85.
Emergency weights, Jan. 85.
Emulsion speed-filter factor table,
June 77.
Enlarging size table, Nov. 63.
Filters and their effects, May 60.
Flash numbers, G-E bulbs, Apr. 52.
Flash numbers, G-E bulbs, Apr. 52.
Hydroquinone developing agent,
Aug. 75.
Metol developing.

Aug. 75.
Metol developing agent, Aug. 75.
Movie camera identification marks,
July 67. Movie camera identification marks, July 67.
Negative developer formulas, Feb. 52.
Negative sizes and diagonals, Dec. 70.
Paper selecting table, Nov. 62.
Print developer formulas, Feb. 53.
Printing paper speeds and contrasts,
Sep. 58.
Reflectory Efficiency of Dec. 21.

Reflectors, Efficiency of, Dec. 71. Shutter openings for movie cameras, Aug. 74.

Aug. 74.
Shutter speed-filter factor table,
June 76.
Shutter speeds for movie cameras,
Aug. 74.
Slide projection-distance table, Nov. 63
Solution dilution T-square table,
Dec. 70.

Solution dilution T-square bec. 70.

Photographers
Allan, Ted, June 46.
Azmann, Francis, Nov. 22.
Avery, Sidney, June 44.
Barnes, George, Sep. 69.
Bourke-White, Margaret, June 34.
Eisenstactt, Alfred, Aug. 32.
Genthe, Arnold, May 20.
Haas, Max Peter, Apr. 14.
Hiller, Lejaren á, June 34.
Keppler, Victor, Aug. 34.
Lester, Gene, June 44.
Lynes, George Platt, June 34.
Mili, Gjon, May 19.
Munkacsi, Martin, Aug. 29.
Rox. Henry, Nov. 30.
Steichen, Edward, May 21.
Stieglitz, Alfred, May 21.
Toland, Gregg, Oct. 65.
Photographic chemicals (see Chemicals, Photographic chemicals (see Chemicals, Photographic Intercent of the Chemicals)
Photographic Intercent of the Chemicals (see Chemicals)

Photographic literature Photographic literature
Source of index to, Aug. 85.
Pictorial photography (see also Pictures of the Month Dept.)
"City of Shadows" by Ralph Morgan, Oct. 30. Montages of Francis Aszman, Nov. 22; Apr. 64.

ad

1

OF

re). ing

sing

ots.

pot-

Bur-

Picture series How to make a picture story, May 47. Pictorial self-portrait, May 38. Story-telling series, Feb. 82. Picture-taking technique Case strap measures short distances, Dec. 78.‡

Dating pictures, May 96.‡ Gauge for closeup focusing, Dec. 92.§ Posing small children, July 111.‡ Shutter-sharpshooting, Mar. 23. Spotlight effects with mirror, Aug. 93.‡ Telephoto effect with regular Aug. 98.

Picture quiz What's wrong with these pictures, Oct. 37. Pictures of the month (Dept.) Jan. 34: Feb. 78; Mar. 14. Pinholes in negatives (see Negative defects

Portrait lighting (see Lighting and Lighting diagrams).

Portrait photography (see also Glamor photography).

Advantages of 45° lighting, Dec. 116. Broad faces and big noses minimized by lighting, Dec. 20. Half-lace portraits, Feb. 55. High key questions and answers, June 64.

Hrregular noses, lighting for, Jan. 24.
Mistakes of a master portraitist,
Feb. 34.

Feb. 34.
Posing glamor portraits, Nov. 42;
Feb. 36; June 66; July 36.
Props for, Oct. 24; Nov. 42.
Reversing portrait, Feb. 55.
Single spotlight technique, July 36.
Viewing filter for high key pictures,
June 68.

Print finishing

Blotters, substitute for, Mar. 79.‡ Cellophane protects prints, Aug. 99.‡ Glossy prints, How to spot, Mar. 80.‡ Lacquer for spotting, June 84.‡ Print press, Mar. 79; Apr. 78.‡ Rubber band holds prints on trimmer, May 107.‡ Straightening prints, Aug. 96.‡

Printing papers (see Enlarging papers and Contact papers).

Printing methods (se also Print processing). Contact printing, July 109.‡
High key print tone range, Apr. 36.‡
Pictures in relief, Mar. 108.‡
Prints without developing, Oct. 99.‡
Snow effect on prints, Apr. 114.‡

Print processing

Acid rinse bath, Sep. 56.
Agía two- tray print method, May 31.
Flashlight retouches prints during development, Aug. 100.

Glycerine print flattening formula, Glycerine print June 101. June 101.‡

for High key effect, June 70.‡

for High key effect, June 70.‡

Non- curl formula, Apr. 62.‡

Overexposing, overdeveloping and reducing for extra brilliance, Nov. 24.‡

Paper selecting table, Nov. 62.

Print developer formulas, Feb. 53.

Printing papers rated for speed & contrast, Sep. 58.

Reducer for prints, Nov. 24.‡

Rocker print washer, Dec. 78.§

of Snow pictures, Jan. 17.‡

Stop bath, Sep. 56.‡

Two-tray print development, May 30:

Formulas for, May 31.

with Warm developer and ice.

Oct. 36.‡ Oct. 36.‡ Washing, Rapid, June 114.‡

Processing negatives (see Neg processing and Film processing)

Projection, Cine & Slide

Cigar box slide file, Apr. 78.8 Coating for motion picture screen Feb. 93.8 Images for projection, Nov. 64. Motion picture Feb. 93.§ screen Projector speed, Test for, Apr. 81.‡ 1600-foot movie Reel, May 49.§ Slide projection-distance table, Nov. 63 Torture on the screen, Apr. 48.

Publicity Photography

at College, Oct. 89. at Golden Gate Exposition, Sep. 60. Hollywood publicity cameramen cameramen June 42.
Plastic fish for, June 45.
Trick pictures, Sep. 62-63; June 44-45.

Quick development (see Film pro-Quick fixing bath (see Fixing baths).

Rapid development (see Film processing).
Rapld fixing bath (see Fixing baths).
Reducers (see Negative processing;
and Print processing).

and Print processing).
Reflectors
Designs of, Dec. 43.
Diffuse reflection, Dec. 71.
Reflector made of crumpled foil,
Feb. 84; July 42.
Shaving mirror light reflector, Jan.
110; Aug. 93;
Specular-diffuse reflection, Dec. 71.
Specular reflection from metals, foils,
glass, etc., Dec. 71.
Spread reflection from brushed or
oxydized metal, Dec. 71.
Refliculation (see Negative defects).
Resolutions for a photographically
Happy New Year, Jan. 64.
Royal photographers
Crown Prince Olay, July 35.
King of Siam, Dec. 69.
Satelight (see Darkroom equipment
and Darkrom planning).
Saliboat pictures (see Outdoor photography).

tography).

Photographic wallflower, July 20, Seasonal subjects (see Ideas for pic-

fures).
Selling photographs (see also Markets for photographs).
of Accident scenes, Sep. 85.
to College students, Oct. 53. Double your picture money, Mar. 111. Group pictures at family reunions, etc., June 109. of Illuminated buildings, Apr. 95. to Newspapers, Oct. 63.

to Newspapers, Oct. 63.
of Products, Dec. 37.
Slide projection (see Projection, Cine & Slide).

Snow photography the Month for snow scenes, Jan. 13. Photographing camouflaged ski troops, Mar. 28.

Speed flash photography (see also Action photography), of Humming birds, Oct. 105.

Speed shooting gets into the movies, Dec. 46. Stopping them cold with speed light, Oct. 107.

Speed Shots, (see also Flash photography), Pathographing moving objects, Oct. 40. Speedy fixing baths (see Fixing baths). Sports photography Football, Oct. 18. with Telephoto lens, Oct. 20-21; Dec. 72.

Spotlighting Socitioning
Effects with mirror, Aug. 93.‡
Home movies, Oct. 72.
'Intchins formula for glamor, Sep. 26.
Methods of lighting small sets, Oct. 75.
Single spotlight for portraits, July 36.
Spotling prints (see Print finishing).
Static marks (see Negative defects).

Stereo photography of Small objects with regular cameras, Mar. 41 Third d dimension in photography June 105. ill projection (see Projection, Cine & Slide).

Story-telling, (see Picture series).
Stroboscopic photography (see Speed flash photography).

Studio, Photographic Basement studio at home, Jan. 111.8 Surrealist photography (see Tri-photography).

Synchronized flash photography Between-the-lens shutter flash test, Apr. 67.
Comput shutter flash test, Apr. 67.
Focal plane shutter flash test, Apr. 67.

T

Table to photography (see also Cartooning, Photographic).
Background, Aug. 94.‡
Rox's fruit and vegetable figures,
Nov. 30.
Warfare made to order, Apr. 73. (see also

Telephote photography
Binoculars for telephote pictures,
Dec. 72.

Dec. 72.
with Regular lens, Aug. 98.2
Timers (see Darkroom equipment).

Tonors, Formulus for (see also Toning prints).
Gold chloride, How to make, Apr. 79.
Gold-toning bath, Apr. 81; Jan. 91.
Hypo-alum sepia, Jan. 90.

Tealing prints
Gold toning, Jan. 90.
Sepia toning with gold chloride,
Jan. 91.
of Snow scenes, Jan. 17.

Travel photography Bali pictures, July 46.

Bali pictures, July 46.

Trick photography (see also Publicity photography).

of Aerial warfare, Dec. 26.

Battle scenes on table top, Apr. 73.

of Commercial Photographer Nov. 18.

at Golden Gate Exposition, Seo. 60.

Montage methods of Francis Assmann, Nov. 22.

Paper-bending for caricatures, Dec. 44.

using Plastic fish, June 45.

of Publicity stunts, Sep. 62-63;

June 44-45.

June 44-45. Reflections in mirror before camera lens, Feb. 69.

lens, Feb. 69.
Silhouettes added to pictures, Feb. 26.
Surrealist photography, Sep. 38.
Trick "escape" print, June 33.
Two-expression picture, July 4.
Unreal photographs, Sep. 38.

Tripods Base for camera, Feb. 86.§ Brace for, Feb. 84.‡ Brace for, reb. 64.3 Camera support made from lamp-stand, May 105.8 Suction cups for tripod feet, May 108.2 Table top tripod, July 106.8

Unphotogenic features (see Portrait photography).

Vacation Photography see also Out-door photography). Satirical pictures, July 20. Six common errors, July 26. Vacation pictures, How July 14; Aug. 54. to take, Vignetting (see Enlarging technique).

War photography (see also Aerial photography, Censored photography, Military photography and Table top bhotography).
Aerial war, reproduced in darkroom, Dec. 26.
Battle scenes on table top, Apr. 73.
Robert Capa's war pictures, Dec. 52.

Washing negatives (see Film prophotography (see Outdoor

photography). Weighing chemicals (see Mixing chemicals).

Winter photography
How to take winter pictures, Jan. 13.
Jack Frost's window pane art show,
Dec. 32.

Women, Photography of Seven types of women, Dec. 58.

AUTHOR INDEX

Alenius, Edward K. — January's the month for snow scenes, Jan. 13. Anderson, Dan—Eight minutes in the life of a press photographer, Feb. 58.

Feb. 58.

-The draft and what it means to photographers, Nov. 38.

Arnold, John -- Why use spotlights, Oct. 72.

Arnold, Rus -- How to make walkaround flash shots, Mar. 24.

-How to "pack" your pictures, Nov. 50.

How to "pack" your pictures, Nov. 50. mann, Francis — Montage photo-graphs, Nov. 22; Apr. 64.

Beecher, W. J.—Binoculars for Tele-photo snapshooting, Dec. 72. Browne, Roland A.—How to plan your darkrom, Sep. 44. —Mountain photography, July 30. Brummit, Wyatt—The month for showers, flowers and pictures,

showers. Apr. 26. -Pictorial self-portrait, May 39.

Burton, Walter E.—Darkroom illumination, Feb. 66.

Lenses perform on light trapeze, Jan. 32. Jan. 32.

-Photograph your hobby, Mar. 38.

-Take your camera hunting and fishing, Aug. 70.

-Types of enlargers, Sep. 18.

Candido, Pat — Follow football with your camera, Oct. 18.
Carlson, Leroy—Dress-up the children, Mar. 36.
Chemplin, Harry—Hollywood camera aces, 1: George Barnes, Sep. 69; II: Gregg Toland, Oct. 65.
Collins, A. Frederick and Sussman, Aaron—Magic of light, Aug. 60.
Cook, Alfred—How to photograph a home, Oct. 56.

Davis, Dr. Reid—Flash test, Apr. 67. de Palma, Victor—Sweaters are photogenic, Aug. 14.

Deschin, Jacob—Do's and don'ts for your summer shooting, June 14.

Diert, Tracy—Drving negatives, Sep. 66.

—Economical telephoto effect, Aug. 98.

—Enlarging technique, I. Fundamentals for beginners, Sep. 54:

II: Manipulation methods, Oct. 32.

—It's easy to color your prints, Mar. 56.

—Paper bending for caricatures, Dec. 44.

—Toning with old gold, Apr. 79. -Toning with old gold, Apr. 79.

Elder, Georgette—Dress-up the child-ren, Mar. 36.
Elfenbein, Ramon—Build a precision-type enlarger, Feb. 72.
Emerson, Harvey—Portable darkroom makes money, June 108.
Ezickson, A. J. — Behind the News Camera (monthly column) Sep. 8; Oct. 87; Nov. 112; Dec. 76; Jan. 88; Feb. 77; Mar. 76; Apr. 75; May 71; June 83; July 113.

Flerlage, Dick - Anchors aweigh,

G

Galloway, James—Markets for movies, Nov. 66.

-Uncle Sam wants photographers, Feb. 42.
Gibbs, C. W.—Rainy days in town, May 111.
Ginsburg J. J.—How to purchase a used camera, Sep. 34.
Gipson, Henry Clay—Fireworks, July 71.

-How to add trick silhouettes to your pictures, Feb. 26.
-Lighting method for your home portraits, Oct. 44.
war in the air, Dec. 26.
Grau, George—Photographs of Golden Gate exposition, Sep. 60.
Greene, William C.—Follow football with your camera, Oct. 18.

Haas, Max Peter—I had a ringside seat, Apr. 14.
Haburton, Ralph—Background comes first, Dec. 56.
Henning, William E.—Torture on the screen, Apr. 48.
Hibbs, Elizabeth — Catch 'em when they're busy, June 40.
Hiss, Philip Hanson—Adventures of a photographer in Paradise, July 46.
Howes, A. George—Storage cabinet for kitchen darkroom, Aug. 72.
Hufman, James W.—Avoid these common errors, July 26.
Hust, Bob—Gals flash the nite-clubs, Jan. 57.
Hutchins, John—Clothes make the portrait. Nov. 42.
—Formula for glamor, Sep. 26.
—High-Key questions and answers, June 64.
—High-Key questions and answers, June 64.
—How to know your noses, Jan. 24.

0

Phi

Por

June 64.
How to know your noses, Jan. 24.
How props create glamor portraits,
Oct. 24.
Mistakes I have made, Feb. 34.
One light is all you need, July 36.
What if she isn't photogenic, Dec. 20.

Jacoby, Michel—Inside Hollywood (col-umn) May 70; June 78; July 78; Aug. 12.

Kershner, Ray—Background effects by dodging, Aug. 46. —Sleight - of - hand, Photographic, June 33.

June 33.

King, Alexander—Are great photographers eccentric, May 18.

—Confessions of an ex-picture editor, Feb. 20.

—Hot and sweet, Sep. 13.

—Robert Capa made great war pictures, Dec. 52.

Lane, Peggy—Before war broke in the Balkans, May 26. Lane, Will—Get back! Don't trim!

Balkins, May 20.

Lane, Will—Get back! Don't trim!
Apr. 18.
—Illusion of depth, Dec. 28.

Lanza, Anthony—Eight minutes in the
life of a press photographer,
Feb. 58.

La Roe, Warden—Good work instead
of guess work, Apr. 102.
Lockrey, A. J.—Enlarger is a camera,
Mar. 84.

Luxton, George E.—Blackout photography, June 20.

Maloney, George C.—Satire, July 20.
Marks, Robert W.— Lynes, BourkeWhite, Hiller, June 34.
—Munkacsi, Eisenstaedt, Keppler,
Aug. 28.
Martin, Albert T.—Warfare made to
order, Apr. 73.
Mauborgne, Majer General J. O.—
Photography in the U. S. Signal
Corps, Jan. 44.
McBean, Angus — Photographing the

Photography in the U. S. Signal Corps, Jan. 44. McSeen, Angus — Photographing the unreal, Sep. 38.

Merta, Frank J.—Follow football with your camera, Oct. 18.

—Photographing presidential candi-dates, from Wilson to Willkie,

dates, fr

Oct. 13.

Meyn, R. C.—Daylight pictures at night, June 114.

Mohler, Don J.—Are exposure tables crazy, Apr. 22.

Flash for your color pictures, May 64.

Flash shots by the meter, Sep. 52. Making light behave, Dec. 40.

Making light behave, Dec. 40.
 Unseen colors can distort color pictures, Aug. 48.
 Monahan, Odie—Photographing camoullaged ski troops, Mar. 28.
 Mooney, Mark, Jr.—A day at the 200, May 12.
 Morgan, Ralph—Story behind the picture, 'City of Shadows,'' Oct. 30.
 Morris, Robert W.—Reverse the flash, Feb. 25.

Mortensen, William—Four rules for better lighting, Feb. 13.

Olschwang, Morris J.—How to make relief pictures, Mar. 108. O'Rourke, Dmitri—Lens eye view of the picture, Aug. 20.

Peck, J. L.—Aszmann, master of montage, Nov. 22.

Peterson, Charlie — Photographs of swing musicians, Sep. 13.

Petiti, Theodore S.—Birds of the U.S.
How to find and photograph them, June 50.

Philpott, H.— Daylight pictures at night, June 114.

Ponting, Clarence—Jack Frost's window pane art show, Dec. 32.

Powell. Jack—Camera, on the desert

Powell, Jack-Camera on the desert, May 54.

by ic. ra-

or.

nic.

the

im!

the

tead

era, tog-

Rae, Gilbert — Camera earns way through college, Oct. 50.
Reedy, W. A.—Sunlight for your color pictures, June 30.
Rogers, Dennis—Is it easy on the eyes, Mar. 30.
—Now's the time to shoot in color, Dec. 64.
Rooks, Dale—What makes a photographer, Mar. 72.
Roy Henry—Pictures of figures made from food, Nov. 30.

Sammis, J. H. — Superpan Panning (monthly column) Sep. 110; Oct. 102; Nov. 110; Dec. 10; Jan. 86; Feb. 113; Mar. 113; Apr. 74; May 72; July 82; Aug. 113.

Sandroff, Ivan—Hold still and look purty, Jan. 74.
Scherr, Jeane—Shooting for projection is different, Nov. 64.
Scherr, Jeane—Shooting for projection is different, Nov. 64.
Schroth, C. B.—Sell pictures of products, Dec. 37.
Schwart, Arthur — Cinecam Quiz, Dec. 50.
Scott, Robert—Make your own safelight, Sep. 76.
Sharpe, Philip B.—Reduction, Oct. 95.
Silberstein, B. G.—People in pictures, Jan. 18.
What shape: horizontal, vertical or

Jan. 18.
-What shape: horizontal, vertical or

-What shape: horizontal, vertical or square, Aug. 22.

Slack, Avery—Nine pictures from one exposure, Aug. 16.

Smith, Henry Holmes—Royal camera records family life, July 35.

Sniejok, The Pup—How to train your owner, Jan. 70.

Spence, Hervey—Infra-red lamps speed up film processing, July 30.

Sprungman, Ormal I. Cinecam Quiz, Dec. 50.

Sprungman, C Dec. 50.

You can shoot a one-man scenario, Jan. 50.

Stokes, Dillard—Photography and its part in the draft, Dec. 18.

Stuart, Don—Follow football with your camera, Oct 18.

Styles, Thomas E.—Beflections made forder befollowed to the state of the state o

Varden, Lloyd E.—Agfa-Finex, July 44.

—Basic problem in lighting, Jan. 22.

—How to read your negatives, Jan. 79.

Negatives and defects, how to recognize and avoid or correct them, Sep. 32.

—Reticulation, Nov. 70.

—Two-tray print development, May 30.

Vincent, Dale—Dollars in night spots, Apr. 40.

—Water pictures, July 14.

—What shutter speed, Aug. 38.

Walker, Leslie C.—Painting with light, May 34.
Wallach, M.U.—Candid photographers shoot the show, Nov. 52.
Wasson, Victor H.—Kamera Kwiz (Monthly Dept.) Nov. 48; Dec. 38; Jan. 66; Feb. 64; Mar. 50; Apr. 70; May 58; June 74; July 64; Aug. 78.
—Make an enlarging filter holder, June 80.
—Mix your own solutions—but avoid these errors, Apr. 58.

-Mix your own solutions—but avoid these errors, Apr. 58.

-One hour of home movies, May 49.

-Put animation into your titles, Feb. 48.

-Ten darkroom don'ts, Apr. 58.

-What's wrong in these pictures, Oct. 37.

Webster, Judith Russell—Putting the spot on the baby, Jan. 58.

Webster, Maurie—From gags to riches, June 42.

Wechsberg, Dr. Joseph—You can't shoot that, Nov. 13.

Woodman, Claylon — Cameralmanac, Iuly 58.

-Resolutions for a Happy New

Iuly 58.

Resolutions for a Happy New Year, Jan. 64.

Seven types of women as photographers see them, Dec. 58.

Speedy subjects needn't "Faze" you, Oct. 40.

Woyna, Fritz—Camera provides self-protection, Sept. 17.

How to double your picture money, Mar. 111.

SELL YOUR PHOTOGRAPHS HOW TO

(1000 Markets paying from \$3.00 to \$100 a print.)

What size shall I make my prints? Should I mount them? How many can I submit at one time? Must they be glossy? These questions confront the serious amateur whose work is good enough to sell. Find the answers in Photo Markets.

WHERE SELL YOUR **PHOTOGRAPHS** TO

What are the top-flight markets that buy prints from amateur photographers? What are their average rates? Where are they located? Photo Markets tells you this in detail.

> A copy of the latest revised issue of PHOTO MARKETS off the presses in September, 1941, will be sent postpaid for 50 cents.

Send cash, money order, or stamps to Minicam Book Department, 22 East Twelfth Street, Cincinnati, Ohio.